

ABSTRACT

A radio frequency radiation shield unit that is removably mounted on the antenna of a wireless telephone. It has an upright oriented front wall member that is detachably connected to an upright oriented rear wall member. These wall members are fabricated of a plastic material having carbon fibers therein for absorbing and dispersing radiation. A chamber is formed between the front wall member and rear wall member and one or more membranes are positioned therein and these membranes are made of carbon fiber material that has been cut into strips and tightly woven together. A tubular collar is formed on the rear surface of the lower portion of the rear wall member. Some of the radio frequency radiation (RFR), that is absorbed by the carbon fibers of the rear wall member and the membranes is directed into a flow of electrons and one end of a ground wire is connected thereto and its other end is passed through an aperture in the rear wall member to the interior of the tubular collar. A tubular rubber boot is compressibly inserted into the tubular collar and it has a leg extending downwardly from its bottom end that has a groove for removably inserting the second end of the electrical wire which in turn is connected to a brass button rivet. The diameter of the tubular aperture in the rubber boot can be varied to receive antennas having different widths. The height of the rubber boot can also be varied to accommodate antennas having different heights and different bottom diameters. When properly installed on the antenna of a wireless telephone, the brass button ground would come in contact with the users hand when used.